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United States Patent [19]

Loew

[11] **Patent Number:** 5,128,829[45] **Date of Patent:** Jul. 7, 1992[54] **HINGE AND STAND FOR HAND-HELD COMPUTER UNIT**[75] **Inventor:** Christopher Loew, San Francisco, Calif.[73] **Assignee:** Health Innovations, Inc., Reston, Va.[21] **Appl. No.:** 640,108[22] **Filed:** Jan. 11, 1991[51] **Int. Cl.:** H05K 5/00; A47B 21/00; G06C 5/02[52] **U.S. Cl.:** 361/380; 361/393; 312/325; 312/208.1; 235/1 D[58] **Field of Search:** 364/705.02, 708; D18/6, D18/7, 11; 312/325, 208; 248/455, 459; 16/225; 206/305; 361/380, 392, 393, 394, 395; 235/1 D, 145 R[56] **References Cited****U.S. PATENT DOCUMENTS**

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The computer includes a computer housing, a cover and a hinge. The hinge overlies the top face of the housing and has three flaps defining a pair of spaced hinged axes, the edge flaps being secured to the rear face of the housing and the proximal edge of the cover, respectively. The cover is pivoted between positions covering the display screen and control elements closing the computer and an open position. In one open position, the cover is pivoted into opposition into the rear face of the housing and latched in that position whereby the cover serves as the base of a stand for the housing with the intermediate flap of the hinge serving as a generally upright support leg supporting and elevating the upper edge of the housing, whereby the display screen and controls lie in a plane inclined to the horizontal.

13 Claims, 5 Drawing Sheets